

National Weather Service

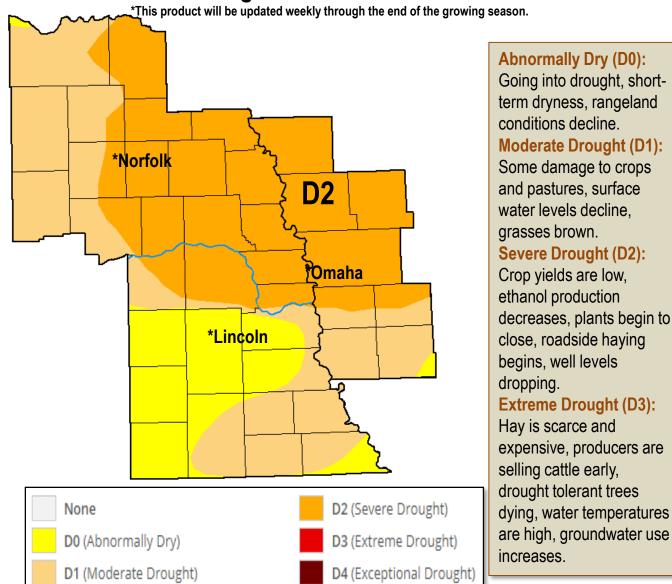
Omaha / Valley, NE

Thursday, October 15, 2020

10:49 AM

Drought Information Statement

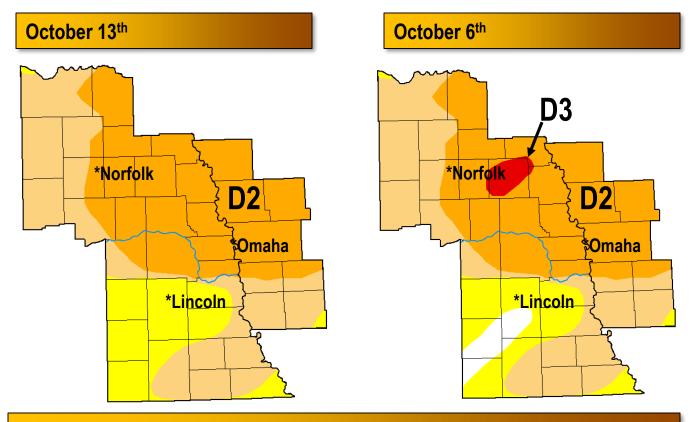
Severe to Extreme Drought in Parts of Eastern NE and Western IA



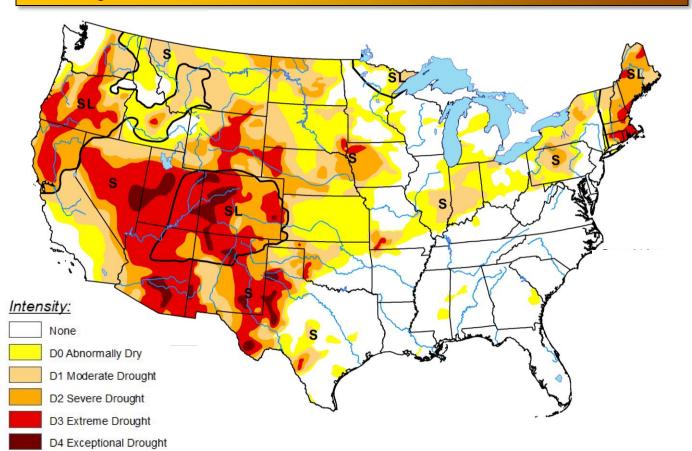
Synopsis:

- -Rainfall of 0.50-1.00" last week helped to improve extreme drought conditions that were previously in Cuming County.
- -Severe drought conditions remain over much of northeast Nebraska and western Iowa.

Two Week Comparison:



US Drought Monitor



Local & State Actions:

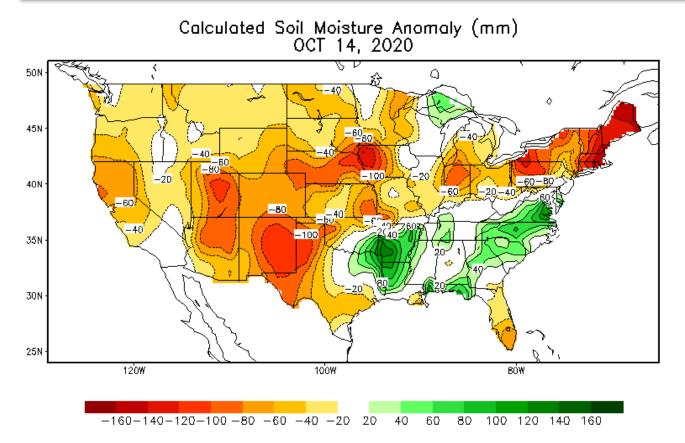
Many counties have authorized emergency having and grazing use of Conservation Reserve Program (CRP). This included 42 counties in Nebraska and 52 counties in Iowa.

Additional information concerning the drought can be obtained via the

Additional information at Department of National Resources: https://dnr.nebraska.gov/index

Additional information about federal disaster declarations due to the drought and drought assistance information can be found at the farm service agency web site at: www.fsa.usda.gov

Soil Moisture Conditions:



Nebraska - *Topsoil* moisture was rated as 46% short and 27% very short. *Subsoil* moisture was rated as 41% short and 23% very short.

Iowa - *Topsoil* moisture was rated as 34% short and 17% very short. *Subsoil* moisture was rated as 37% short and 21% very short.

More info at NWS Climate Prediction Center (CPC):

http://www.cpc.ncep.noaa.gov/products/Soilmst Monitoring/US/Soilmst/Soilmst.shtml

Agricultural Impacts:

Nebraska - As of October 11th

Corn: 14% poor or very poor

Soybean: 43% ahead of average

Sorghum: 14% poor or very poor

Winter wheat: 1% behind average

Oats: not available

Pasture: 38% poor or very poor

lowa - As of October 13th

Corn: 26% poor or very poor

Soybean: 2 weeks ahead of ave.

Hay: not available Oats: not available

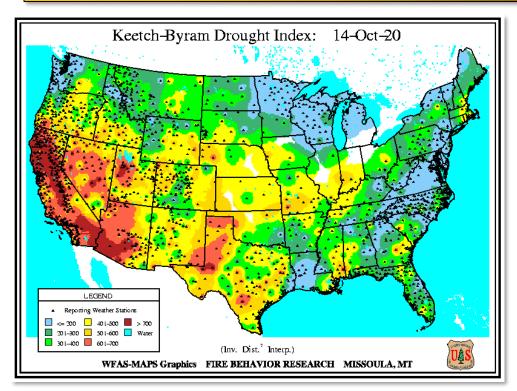
Pasture: 42% poor or very poor

More info at the United States Department of Agriculture (USDA) National Agricultural Statistics Service NASS: https://www.nass.usda.gov/Statistics_by_State/index.php

Water Restrictions:

None known

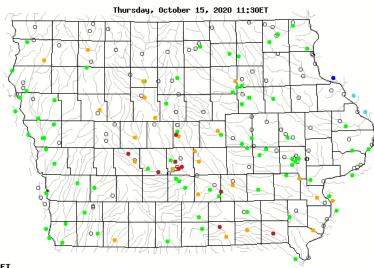
Fire Danger:



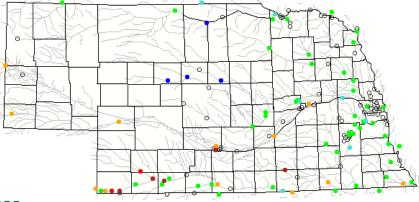
KBDI Value	Description of Fire Potential			
0-200	Low - Wet with little danger of fire initiation			
201-300	Moderate - Drying occurring with			
301-400	some fire danger			
401-500	High - Ground cover dry and will			
501-600	burn readily			
601-700	Extreme - Dead and live fuels will			
>700	burn readily			

http://www.wfas.net/images/firedanger/kbdi.png

River and Streamflow Conditions:



Thursday, October 15, 2020 11:30ET



USGS

Explanation - Percentile classes								
•		•	•			•	0	
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked	
	Much below normal	Below normal	Normal	Above normal	Much above normal			

-A majority of the river gauges across eastern Nebraska and wester Iowa indicate near normal streamflow for this time of year

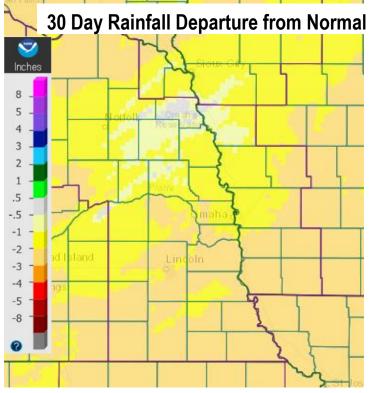
Hourly and forecast river stages out to 90 days can be found at the **National Weather Service's (NWS) Advanced Hydrologic Prediction Service (AHPS)** web page:

https://water.weather.gov/ahps2/index.php?wfo=oax

Additional Current stream and river stages may be viewed at the following USGS Web Site:

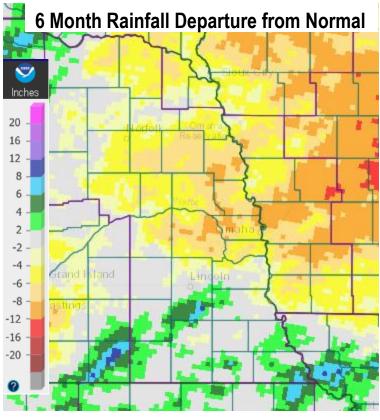
http://waterwatch.usgs.gov/

Local Climatology:



30 Day

 1 to 3 inches below normal across most of eastern Nebraska and western lowa

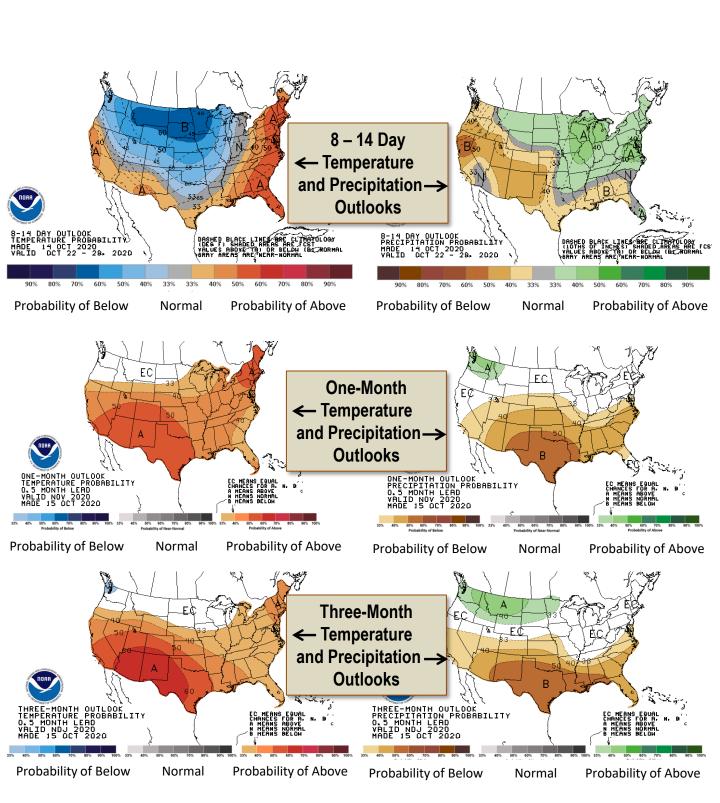


6 Month

- 2 to 6 inches above normal in portions of far southeast Nebraska
- 4 to 12 inches below normal in east-central Nebraska and western lowa
- 12+ inches below normal in parts of central and western lowa

Precipitation & Temperature Outlooks:

For the end of October, the odds favor below normal temperatures and equal chances of above or below normal precipitation for much of our area.



Questions and/or Comments:

If you have any questions or comments about the information in this document please contact:

Dave Pearson or Hallie Bova
Drought Focal Points
National Weather Service – Omaha/Valley
Hallie.bova@noaa.gov
David.pearson@noaa.gov
(402)-359-5166

Other Contacts:

Nebraska State Climatologist: Martha Shulski, Ph.D. 402-472-6711 https://nsco.unl.edu/

lowa State Climatologist:
Justin Glisan, Ph.D.
lowa Department of Agriculture and Land
Stewardship
Tel: 515-281-8981

Acknowledgements:

The drought monitor is a multi-agency effort involving NOAA's National Weather Service and National Climatic Data Center, the USDA, state and regional center climatologists and the National Drought Mitigation Center. Information for this statement has been gathered from NWS and FAA observation sites, cooperative and volunteer observations, USDAFS, the USDA and USGS.

Related Websites:

NWS - http://www.weather.gov/oax CPC -

http://www.cpc.ncep.noaa.gov/products/Dr ought/

Drought Monitor:

http://droughtmonitor.unl.edu/

https://www.drought.gov/drought/

USGS - http://water.usgs.gov/

COE - http://www.nwo.usace.army.mil/